

Amendments to the Claims: This listing of claims will replace all prior versions, and listings, of claims in the application

Listing of Claims:

1. (Original) An information processing system including an electronic apparatus, a server, and an external apparatus, wherein

the electronic apparatus comprises:

an operation information acquirer (hereinafter, the acquirer) for acquiring first operation information from the server, the electronic apparatus operating with the first operation information; and

an operation controller for directing so that the electronic apparatus operates according to the first operation information,

the external apparatus comprises:

an external information storage (hereinafter, the first storage) for storing an external apparatus identifier, the external apparatus identifier identifying the external apparatus;

a setting information acceptor (hereinafter, the first acceptor) for accepting input of an electronic apparatus identifier, the electronic apparatus identifier identifying the electronic apparatus, and of the first operation information; and

an operation setting information transmitter (hereinafter, the first transmitter) for transmitting the external apparatus identifier, the electronic apparatus identifier, and the first operation information, to the server, and

the server comprises:

an operation information control table storage (hereinafter, the second storage) for storing an operation information control table including at least one operation information control record, the record including the external apparatus identifier, the electronic apparatus identifier, and the first operation information;

an operation setting information receiver (hereinafter, the first receiver) for receiving the external apparatus identifier, the electronic apparatus identifier, and the first operation information, from the external apparatus; and

an operation information updating part (hereinafter, the first updating part) for updating the operation information control table, according to the external apparatus identifier, the electronic apparatus identifier, and the first operation information.

2. (Original) The information processing system according to claim 1, wherein the electronic apparatus further comprises:

an operation information input acceptor (hereinafter, the second acceptor) for accepting input of second operation information; and

a second operation information transmitter (hereinafter, second transmitter) for transmitting the second operation information, and the electronic apparatus identifier, to the server, and

the external apparatus further comprises:

an operation information acquisition information input acceptor (hereinafter, the third acceptor) for accepting input of operation information acquisition information including the electronic apparatus identifier;

an operation information acquisition command transmitter (hereinafter, the third transmitter) for transmitting an operation information acquisition command to the server, the command including the operation information acquisition information and the external apparatus identifier;

an operation information receiver (hereinafter, the second receiver) for receiving the second operation information acquired according to the operation information acquisition command; and

an operation information output part (hereinafter, the first output part) that outputs the second operation information.

3. (Original) The information processing system according to claim 1, wherein the electronic apparatus further comprises:

an operation information input acceptor (hereinafter, second acceptor) for accepting input of second operation information;

a second operation information transmitter (hereinafter, second transmitter) for transmitting the second operation information and the electronic apparatus identifier, to the server, and

the server stores priority information that is information showing which the first operation information or the second operation information is given priority, when the server receives first operation information from the external apparatus, and second operation information from the electronic apparatus, and the first updating part updates the operation information control table, according to one of the first operation information and the second operation information that is given priority according to the priority information.

4. (Currently Amended) The information processing system according to claim 1, wherein

~~the system includes the plurality of external apparatuses~~the external apparatus is one of a plurality of external apparatuses, and

the server stores priority information that is information showing which information has priority among pieces of the first operation information when the server receives the pieces of the first operation information from the external apparatuses, and the first updating part updates the operation information control table according to one piece of the first operation information that is given priority by the priority information and the priority information.

5. (Original) The information processing system according to claim 1, wherein

the operation information control record further includes operation information transmission history information, the operation information transmission history information showing that the first operation information has been transmitted to the electronic apparatus, and the first updating part updates the operation information transmission history information when the first operation information is transmitted to the electronic apparatus.

6. (Currently Amended) The information processing system according to claim 1, wherein the acquirer regularly acquires the operation information from the server.

7. (Original) The information processing system according to claim 1, wherein

the server notifies the electronic apparatus of the first operation information after updating, when the first updating part updates the operation information control table.

8. (Original) An information processing system including an electronic apparatus, a server, and an external apparatus, wherein

the electronic apparatus comprises:

an electronic apparatus identifier storage (hereinafter, the third storage) for storing an electronic apparatus identifier, the electronic apparatus identifier identifying the electronic apparatus;

a status information storage (hereinafter, the fourth storage) for storing status information showing a status of the electronic apparatus; and

an electronic apparatus status information transmitter (hereinafter, the fourth transmitter) for transmitting the electronic apparatus identifier and the status information to the server,

the server comprises:

a status information control table storage (hereinafter, the fifth storage) for storing a status information control table including at least one status information control record including an external apparatus identifier that identifies the external apparatus, the electronic apparatus identifier, and the status information;

an electronic apparatus status information receiver (hereinafter, the third receiver) for receiving the electronic apparatus identifier and the status information from the electronic apparatus; and

a status information updating part (hereinafter, the second updating part) for updating the status information control table according to the electronic apparatus identifier and the status information received by the third receiver, and

the external apparatus includes:

an external information storage (hereinafter, the sixth storage) for storing the external apparatus identifier;

a status acquisition information acceptor (hereinafter, the fourth acceptor) for accepting input of status acquisition information, the status acquisition information including the electronic apparatus identifier;

a status acquisition command transmitter (hereinafter, the fifth transmitter) for transmitting a status acquisition command including the external apparatus identifier stored in the sixth storage and the status acquisition information accepted by the fourth acceptor, to the server; and

a status information receiver (hereinafter, the fourth receiver) for receiving a status information acquired according to the status acquisition command.

9. (Original) The information processing system according to claim 8, wherein the external apparatus further includes a status information output part (hereinafter, the second output part) for outputting the status information received by the fourth receiver.

10. (Currently Amended) The information processing system according to ~~one of~~ claim 1-~~and claim 8~~, wherein

the external apparatus identifier includes an IP address defined in IP version 4, and identifying information inherent in the external apparatus.

11. (Currently Amended) The information processing system according to ~~one of~~ claim 1-~~and claim 8~~, wherein

the external apparatus identifier includes a host address in an IP address defined in IP version 6.

12. (Original) An electronic apparatus for use in an information processing system, the system including the electronic apparatus, a server, and an external apparatus, the electronic apparatus comprising:

an acquirer for acquiring first operation information from the server, the electronic apparatus operating with the first operation information; and

a controller for directing so that the electronic apparatus operates according to the first operation information, wherein

the external apparatus includes:

a first storage for storing an external apparatus identifier, the external apparatus identifier identifying the external apparatus;

a first acceptor for accepting input of an electronic apparatus identifier and the first operation information, the electronic apparatus identifier identifying the electronic apparatus;

a first transmitter for transmitting the external apparatus identifier, the electronic apparatus identifier, and the first operation information, to the server, and

the server includes:

a second storage for storing an operation information control table, the table including at least one operation information control record, the record including the external apparatus identifier, the electronic apparatus identifier, and the first operation information;

a first receiver for receiving the external apparatus identifier, the electronic apparatus identifier, and the first operation information, from the external apparatus; and

a first updating part for updating the operation information control table according to the external apparatus identifier, the electronic apparatus identifier, and the first operation information.

13. (Original) The electronic apparatus according to claim 12, wherein the acquirer acquires the operation information from the server regularly.

14. (Currently Amended) An electronic apparatus for use in an information processing system including the electronic apparatus, a server, and an external apparatus, the electronic apparatus comprising:

a third storage for storing an electronic apparatus identifier, the electronic apparatus identifier identifying the electronic apparatus;

a fourth storage for storing status information, the status information showing a status of the electronic apparatus; and

a fourth transmitter for transmitting the electronic apparatus identifier and the status information to the server, wherein

the server includes:

a fifth storage for storing a status information control table including at least one status information control record, the record including an external apparatus identifier, the electronic apparatus identifier, and the status information, the external apparatus identifier identifying the external apparatus;

a third receiver for receiving the electronic apparatus identifier and the status information from the electronic apparatus; and

a second updating part for updating the status information control table according to the electronic apparatus identifier and the status information receive by the third receiver, and

the external apparatus includes:

a sixth storage for storing the external apparatus identifier;

a fourth acceptor for accepting input of status acquisition information, the status acquisition information including the electronic apparatus identifier;

a fifth transmitter for transmitting a status acquisition command including the external apparatus identifier stored in the sixth storage and the status acquisition information accepted by the fourth acceptor, to the server; and

a fourth receiver for receiving status information acquired according to the status acquisition command.

15. (Original) A server for use in an information processing system, the system including an electronic apparatus, the server, and an external apparatus, the server comprising:

a second storage for storing an operation information control table including at least one operation information control record, the record including an external apparatus identifier, an electronic apparatus identifier, and first operation information, the external apparatus identifier identifying the external apparatus, the electronic apparatus identifier identifying the electronic apparatus, and the electronic apparatus operating with the first operation information;

a first receiver for receiving the external apparatus identifier, the electronic apparatus identifier, and the first operation information, from the external apparatus; and

a first updating part for updating the operation information control table according to the external apparatus identifier, the electronic apparatus identifier, and the first operation information, wherein

the electronic apparatus includes:

an acquirer for acquires the first operation information from the server; and

a controller for directing so that the electronic apparatus operates according to the first operation information, and

the external apparatus includes:

a first storage for storing the external apparatus identifier;

a first acceptor for accepting input of the electronic apparatus identifier and the first operation information; and

a first transmitter for transmitting the external apparatus identifier, the electronic apparatus identifier, and the first operation information, to the server.

16. (Original) The server according to claim 15, wherein the operation information control record further includes operation information transmission history information, the operation information transmission history information showing that the first operation information has been transmitted to the electronic apparatus, and the first updating part updates the operation information transmission history information, when the first operation information is transmitted to the electronic apparatus.

17. (Original) The server according to claim 15, wherein the server notifies the electronic apparatus of the first operation information after updating, when the first updating part updates the operation information control table.

18. (Currently Amended) A server for use in an information processing system, the system including an electronic apparatus, the server, and an external apparatus, the server comprising:

a fifth storage for storing a status information control table, the table including at least one status information control record, the record including an external apparatus identifier, an electronic apparatus identifier and status information: the external apparatus identifier identifying the external apparatus, the electronic apparatus identifier identifying the electronic apparatus, and the status information showing a status of the electronic apparatus;

a third receiver for receiving a first electronic apparatus identifier and first status information from the electronic apparatus; and

a second updating part for updating the status information control table according to the first electronic apparatus identifier and the first status information, wherein

the electronic apparatus includes:

a third storage for storing the first electronic apparatus identifier;

a fourth storage for storing the first status information;

a fourth transmitter for transmitting the first electronic apparatus identifier and the first status information to the server, and

the external apparatus includes:

a sixth storage for storing the first external apparatus identifier;

a fourth acceptor for accepting input of status acquisition information, the status acquisition information including the first electronic apparatus identifier;

a fifth transmitter for transmitting a status acquisition command to the server, the command including the first external apparatus identifier stored in the sixth storage and the status acquisition information accepted by the fourth acceptor[[],]; and

a fourth receiver for receiving status information acquired according to the status acquisition command.

19. (Original) An external apparatus for use in an information processing system, the system including an electronic apparatus, a server, and the external apparatus, the external apparatus comprising:

a first storage for storing an external apparatus identifier, the external apparatus identifier identifying the external apparatus;

a first acceptor for accepting input of an electronic apparatus identifier and first operation information, the electronic apparatus identifier identifying the electronic apparatus and the electronic apparatus operating with the first operation information; and

a first transmitter for transmitting the external apparatus identifier, the electronic apparatus identifier, and the first operation information, to the server, wherein

the electronic apparatus includes:

an acquirer for acquiring the first operation information from the server; and

a controller for directing so that the electronic apparatus operates according to the first operation information, and

the server includes:

a second storage for storing an operation information control table, the table including at least one operation information control record, the record including the external apparatus identifier, the electronic apparatus identifier, and the first operation information;

a first receiver for receiving the external apparatus identifier, the electronic apparatus identifier, and the first operation information, from the external apparatus; and

a first updating part for updating the operation information control table according to the external apparatus identifier, the electronic apparatus identifier, and the first operation information.

20. (Original) An external apparatus for use in an information processing system, the system including an electronic apparatus, a server, and the external apparatus, the external apparatus comprising:

a sixth storage for storing an external apparatus identifier,

the external apparatus identifier identifying the external apparatus;

a fourth acceptor for accepting input of status acquisition information including an electronic apparatus identifier, the electronic apparatus identifier identifying the electronic apparatus;

a fifth transmitter for transmitting a status acquisition command and status acquisition information accepted by the fourth acceptor, to the server, the command including the external apparatus identifier stored in the sixth storage; and

a fourth receiver for receiving status information acquired according to the status acquisition command, wherein

the electronic apparatus includes:

a third storage for storing the electronic apparatus identifier;

a fourth storage for storing the status information; and

a fourth transmitter for transmitting the electronic apparatus identifier and the status information, to the server, and

the server includes:

a fifth storage for storing a status information control table, the table including at least one status information control record, the record including the external apparatus identifier, the electronic apparatus identifier, and the status information;

a third receiver for receiving the electronic apparatus identifier and the status information, from the electronic apparatus; and

a second updating part for updating the status information control table according to the electronic apparatus identifier and the status information received by the third receiver.

21. (Original) The external apparatus according to claim 20 further comprising a second output part for outputting the status information received by the fourth receiver.

22. (Original) A method of setting an electronic apparatus from an external apparatus in an information processing system, the system including the electronic apparatus, a server, and the external apparatus, the method comprising:

accepting input of an electronic apparatus identifier and first operation information by the external apparatus, the electronic apparatus identifier identifying the electronic apparatus and the electronic apparatus operating with the first operation information,;

transmitting an external apparatus identifier, the electronic apparatus identifier, and the first operation information, all preliminarily stored, from the external apparatus to the server, the external apparatus identifier identifying the external apparatus;

receiving the external apparatus identifier, the electronic apparatus identifier, and the first operation information, by the server from the external apparatus;

updating an operation information control table including at least one operation information control record according to the external apparatus identifier, the electronic apparatus identifier, and the first operation information, the record including the external apparatus identifier, the electronic apparatus identifier, and the operation information, all stored in the server;

acquiring the first operation information by the electronic apparatus from the server; and

operating by the electronic apparatus according to the first operation information.

23. (Currently Amended) A method of acquiring a status of an electronic apparatus from an external apparatus in an information processing system, the system including the electronic apparatus, a server, and the external apparatus, the method comprising:

transmitting an electronic apparatus identifier and status information from the electronic apparatus to the server, the electronic apparatus identifier identifying the electronic apparatus, and the status information showing a status of the electronic apparatus;

receiving the electronic apparatus identifier and the status information, by the server from the electronic apparatus;

updating a status information control table including at least one status information control record, according to the electronic apparatus identifier and the status information received from the electronic apparatus, the record including an external apparatus identifier,

the electronic apparatus identifier, and the status information, all stored in the server, the external apparatus identifier identifying the external apparatus,;

accepting input of status acquisition information including the electronic apparatus identifier, by the external apparatus;

transmitting a status acquisition command from the external apparatus to the server, the command including the external apparatus identifier preliminarily stored in the external apparatus and status acquisition information accepted[[],]; and

receiving status information acquired according to the status acquisition command, by the external apparatus.

24. (New) The information processing system according to claim 8, wherein

the external apparatus identifier includes an IP address defined in IP version 4, and identifying information inherent in the external apparatus.

25. (New) The information processing system according to claim 8, wherein

the external apparatus identifier includes a host address in an IP address defined in IP version 6.